

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

292.9
o 3 Wet

WATER SUPPLY OUTLOOK FOR IDAHO



U. S. DEPT. OF AGRICULTURE
U. S. DEPT. OF AGRIC. LIBRARY
WATER ADMINISTRATION

MAY 20 '76

ACQUISITION SECTION
CURRENT SERIAL RECORDS

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation
with Federal, State and private organizations listed inside the back cover of this report.

AS OF
MAY 1, 1976

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SURVEYOR ENROUTE TO THE MT. BALDY ARIZONA SNOW COURSE
SCS PHOTO AZ-5460

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR IDAHO

**and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**

Issued by

**R. M. DAVIS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.**

Released by

**AMOS I. GARRISON, JR.
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
BOISE, IDAHO**

In Cooperation with

**R. KEITH HIGGINSON
DIRECTOR
IDAHO DEPARTMENT OF WATER RESOURCES**

Report prepared by

**JACK A. WILSON, Snow Survey Supervisor
and
MARION O. CARSTENS, Statistical Assistant**

**SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
ROOM 345, 304 N. 8th ST.
BOISE, IDAHO 83702**

1. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

Leucosia
leucosia

2. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

3. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

4. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

5. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

6. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

7. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

8. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

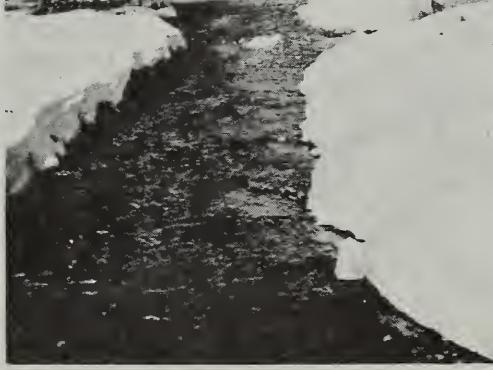
9. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

10. *Leucosia* *leucosia* (L.) *leucosia* (L.)

Leucosia
leucosia

WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR MAY 1, 1976

The 1976 water supply outlook is good to excellent for most areas of Idaho. Seasonal streamflow is forecast for above average on all watersheds of the state, with the exception of the Wood and Lost Rivers in Central Idaho, which are forecast to flow at 80 to 95% of average. Other forecasts range from 104% of normal for the Weiser River to 138% of average for the Teton River drainage.

Streamflow during April was above normal on all major drainages and reservoir storage is generally above average. Many reservoirs are being drafted to make room for anticipated high volume runoff during the major snowmelt period.

April precipitation was above normal in Eastern Idaho, slightly below average in the southwestern portion, and near normal in the panhandle area. April temperatures were cooler than average throughout the state.

RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)			
		THIS YEAR	LAST YEAR	1958-72 AVERAGE	
<u>UPPER COLUMBIA BASIN</u>					
<u>Clark Fork - Pend Oreille</u>					
Hungry Horse	3428.0	2031.0	1689.0	2006.0	
Flathead	1791.0	1067.0	648.0	977.9	
Pend Oreille	1155.1	467.1	381.6	534.3	
Noxon	334.6	262.1	117.3	138.4	
<u>Spokane</u>					
Coeur d'Alene	225.1	236.7	204.2	253.1	
<u>SNAKE BASIN</u>					
<u>Snake</u>					
Jackson Lake	847.0	500.1	631.6	501.7	
Palisades	1200.0	173.7	333.4	774.4	
American Falls	1125.0	1177.2	1107.9	1089.7	
Island Park	127.0	93.7	112.5	132.1	
Grassy Lake	15.2	11.1	11.3	10.9	
Brownlee	980.2	472.5	305.8	432.9*	
<u>Goose-Trapper Creeks</u>					
Oakley	74.4	59.9	51.2	27.3	
<u>Salmon Falls Creek</u>					
Salmon Falls	182.6	144.9	78.4	59.4	
<u>Big Lost</u>					
Mackay	44.2	40.9	31.9	31.7	
<u>Big Wood</u>					
Magic	191.5	191.5	138.3	170.2	
<u>Little Wood</u>					
Little Wood	30.0	27.8	7.2	24.6	
<u>Fish Creek</u>					
Carey Valley	14.4	11.0	10.6	--	
<u>Boise</u>					
Anderson Ranch	423.2	324.8	247.8	282.0	
Arrowrock	286.6	196.9	91.7	231.4	
Lucky Peak	278.2	171.0	83.0	142.5	
Lake Lowell (Deer Flat)	169.0	167.3	166.5	155.4	
<u>Owyhee</u>					
Owyhee	715.0	694.3	627.0	563.7	
<u>Payette</u>					
Cascade	653.2	354.3	254.6	353.8	
Deadwood	161.9	115.2	97.0	92.4	
<u>Weiser</u>					
Mann Creek	11.1	10.9	7.4	--	
<u>Clearwater</u>					
Dworschak	2016.0	364.8	306.9	--	
<u>GREAT BASIN</u>					
<u>Bear</u>					
Bear Lake	1421.0	1137.0	1133.5	1040.0	

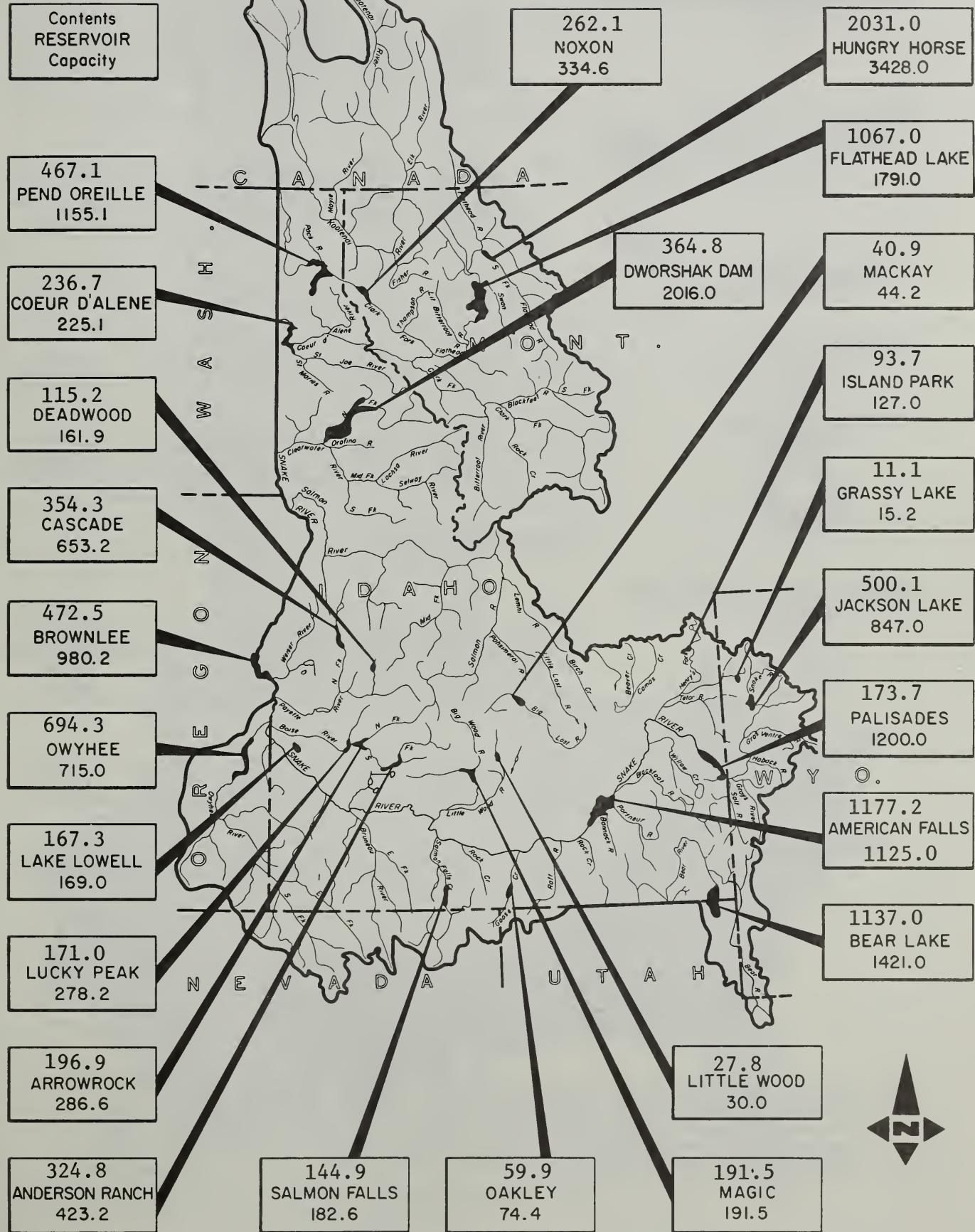
*Period of Record.

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MAY 1, 1976

50 0 50 100 150
SCALE IN MILES



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST ^c		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ^d

UPPER COLUMBIA BASINKOOTENAI RIVER

Leonia

(at)	8500	103	May-Sep	-	8262
	7400	104	May-Jul	-	7146
	5800	103	May-Jun	-	5620

PEND OREILLE RIVERClark Fork River

Whitehorse Rapids

(at)	13600	110	May-Sep	-	12533
	12300	111	May-Jul	-	11283
	10200	109	May-Jun	-	9523

Priest RiverPriest River 1/

(nr)	65	95	May-Jul	-	685
------	----	----	---------	---	-----

SPOKANE RIVERPost Falls 2/

(at)	2160	106	May-Sep	-	2034
------	------	-----	---------	---	------

St. Joe River

Calder

(at)	1090	104	May-Sep	-	1047
	1030	105	May-Jul	-	978

SNAKE RIVER BASINSNAKE RIVER - MAIN STEMMoran 3/

(at)	1120	131	Apr-Sep	-	858
(nr)	4900	135	May-Sep	-	3640
(nr)	5180	136	May-Jul	-	3812
(at)	6040	119	May-Sep	-	5076

Heise 4/Blackfoot 5/

Weiser

(nr)	735	129	May-Sep	-	569
(nr)	1640	134	May-Sep	-	1226

Henry's ForkAshton 6/Rexburg 7/

(nr)	735	129	May-Sep	-	569
(nr)	1640	134	May-Sep	-	1226

Teton River

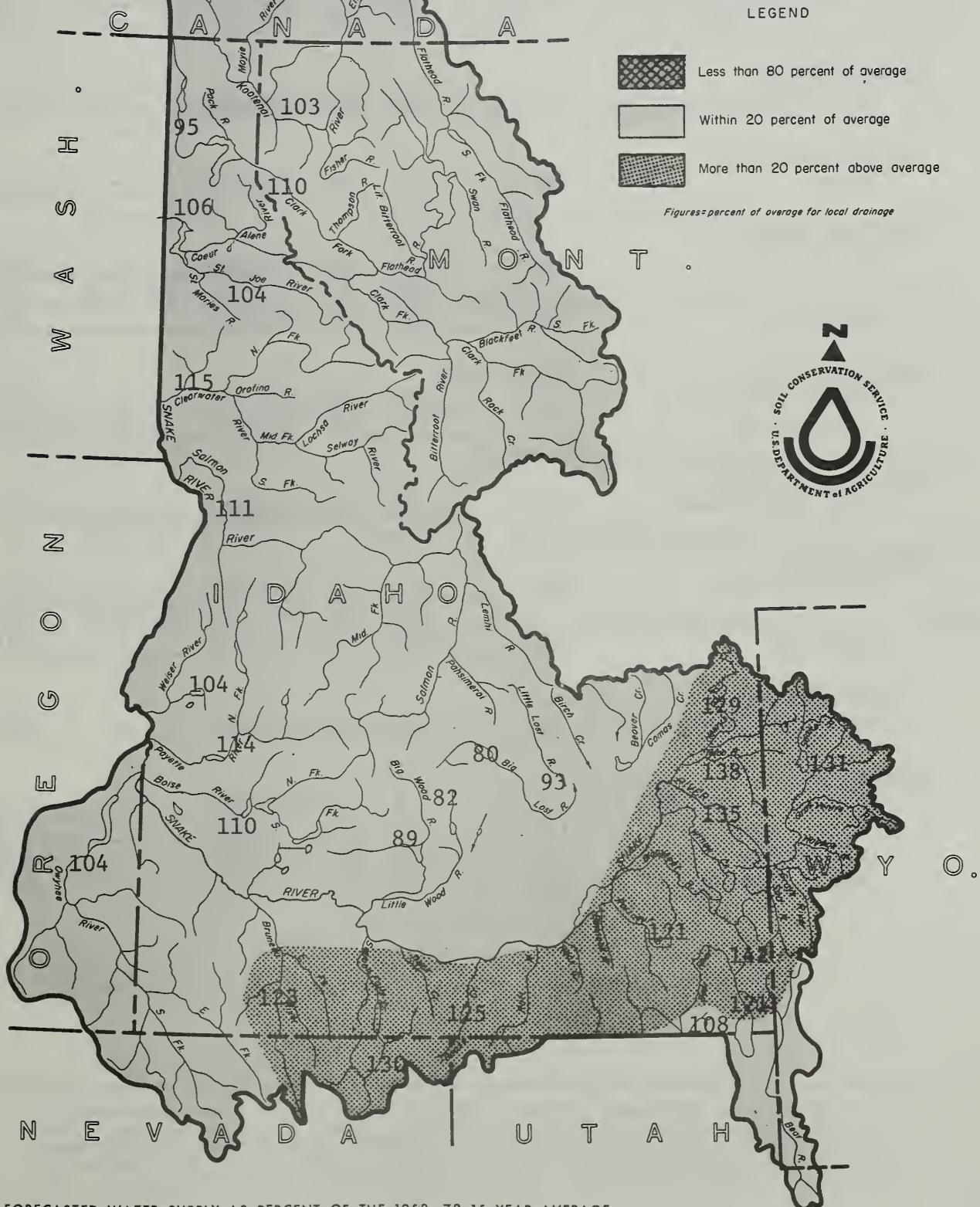
St. Anthony

(nr)	550	138	May-Sep	-	398
------	-----	-----	---------	---	-----

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake.2/ Observed flow corrected for storage in Coeur d'Alene Lake. 3/ Corrected for storage in Jackson Lake.4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.+ 1958-1972 period.

PROSPECTIVE STREAMFLOW
Based on Snow Surveys made on approximately
MAY 1, 1976
IDAHO

20 0 20 40 60 80 100 120
 SCALE IN MILES



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD			
	FORECAST ^c Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year		
Portneuf River Topaz	(at)	80	121	May-Sep	-	66
Oakley Reservoir Inflow		23	125	May-Sep	-	18.4
Salmon Falls Creek San Jacinto	(nr)	70	130	May-Sep	-	54
		65	130	May-Jul	-	50
Bruneau River Hot Springs	(nr)	200	123	May-Sep	-	163
Little Lost River Howe	(nr)	33	93	May-Sep	-	35.5
Big Lost River Howell Ranch	(at)	160	81	May-Sep	-	198
		110	81	May-Jun	-	137
Mackay 1/	(nr)	135	80	May-Sep	-	168
Big Wood River Magic Reservoir Inflow 2/		185	89	May-Sep	-	209
		170	88	May-Jul	-	194
Little Wood River High Five Creek	(ab)	60	82	May-Sep	-	73
Boise River Twin Springs	(nr)	670	112	May-Sep	-	597
		620	114	May-Jul	-	542
Boise 3/	(nr)	1400	110	May-Sep	-	1276
South Fork Anderson Dam 4/	(at)	535	109	May-Sep	-	491
Owyhee River Gold Cr., Nev. 5/ Owyhee, Nev. 5/ Lake Owyhee net inflow 6/	(nr)	9	113	May-Jul	-	8
	(nr)	41	100	May-Jul	-	41
		188	104	May-Sep	-	180
		170	108	May-Jul	-	157

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir
2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow.
+ 1958-1972 period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST C		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +

Payette River

Horseshoe Bend <u>1/</u>	(nr)	1750	114	May-Sep	-	1536
Banks <u>2/</u>	(nr)	940	113	May-Jul	-	830

North Fork

Cascade <u>3/</u>	(at)	540	115	May-Sep	-	471
Banks <u>3/</u>	(nr)	680	115	May-Sep	-	589

Weiser River

Weiser ab. Crane Creek <u>4/</u>		285	104	May-Sep	-	274
----------------------------------	--	-----	-----	---------	---	-----

Salmon River

Whitebird	(at)	7000	111	May-Sep	-	6311
-----------	------	------	-----	---------	---	------

Clearwater River

Spalding	(at)	7930	115	May-Sep	-	6892
----------	------	------	-----	---------	---	------

GREAT BASINBEAR RIVER

Harer	(at)	287	121	May-Sep	-	237
-------	------	-----	-----	---------	---	-----

Montpelier Creek

Montpelier	(nr)	14.5	142	May-Sep	-	10.2
------------	------	------	-----	---------	---	------

Cub River

Preston	(nr)	50	108	May-Sep	-	46.1
---------	------	----	-----	---------	---	------

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					b

UPPER COLUMBIA RIVER BASINKOOTENAI RIVER

Smith Creek	4800	4/29	101	43.2	57.5	48.6
-------------	------	------	-----	------	------	------

PEND OREILLE - PRIEST RIVER

Benton Meadow	2370	4/26	0	0.0	0.0	0.0
Benton Spring	4900	4/26	40	14.5	25.0	15.7

HAYDEN LAKE

Chilco Ridge	3650	4/27	6	2.4	--	--
Conie Ridge	3900	4/27	6	2.8	--	--
Corner Creek	3150	4/27	5	2.2	--	--
Sage Creek Saddle	4100	4/27	44	17.6	--	--

SPOKANE RIVER

Above Burke	4100	4/29	60	25.9	33.6	--
Copper Ridge	4800	4/28	62	28.5	31.0	27.3
#Forty-nine Meadows	4880	4/29	70	27.4	31.0	30.3*
Fourth of July Summit	3200	4/27	9	3.3	5.5	--
Granite Peak	6000	4/29	121	44.0	46.2	48.3*
Lookout	5120	4/29	88	38.2	45.6	36.7
#Lost Lake	6000	4/29	154	59.2	59.6	62.0*
Lower Sands Creek	3400	4/28	50	19.2	23.0	16.0
Medicine Ridge	5920	4/29	126	46.8	47.4	51.5*
Sherwin	3200	4/30	35	12.2	--	--

LOWER SNAKE RIVER BASINCLEARWATER RIVER

Buck Meadows	5650	4/28	92	33.3	--	32.7*
Cayuse Airstrip	3700	4/29	0	0.0	7.9	0.3*
Coolwater Mountain	6200	4/29	120	44.2	42.2	34.5*
Crater Meadows	6100	4/29	113	46.8	50.2	50.2*
Crooked Fork	3600	4/29	0	0.0	13.4	--
Elk Butte	5550	4/29	101	37.0	41.0	36.1*
Fish Lake Airstrip	5000	4/29	113	43.2	44.4	42.6*
Forty-nine Meadows	4880	4/29	70	27.4	31.0	30.3*
Goat Lake	6600	4/29	131	50.2	52.0	54.7*
#Granite Peak	6000	4/29	121	44.0	46.2	48.3*
Hemlock Butte	5500	4/29	144	53.6	56.4	54.4*
#Hoodoo Basin	Mont.	6000	4/28	140	64.8	60.8
#Hoodoo Creek	Mont.	5900	4/28	126	56.4	57.6
						55.2
						52.2

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					

Lolo Pass	5240	4/29	80	36.6	37.8	32.3	
Lost Lake	6000	4/29	154	59.2	59.6	62.0*	
#Medicine Ridge	5920	4/29	126	46.8	47.4	51.5*	
Mountain Meadows	6300	4/28	77	27.0	--	27.3*	
#Nez Perce Pass	Mont.	6575	4/29	51	21.4	28.0	15.6
Orogrande Mountain		7800	4/29	134	46.5	48.0	47.5*
Pierce Ranger Station		3170	4/30	0	0.0	9.2	1.3
Powell Ranger Station		3400	4/29	0	0.0	8.9	0.0
Savage Pass		6170	4/29	78	36.2	34.3	29.2
Shanghai Summit		4600	4/29	67	23.8	32.0	24.0*

SALMON RIVER

Big Creek Summit	6600	4/29	97	41.8	46.5	37.0	
#Boulder Creek	5500	4/30	32	14.8	32.2	15.7*	
Brundage Mountain	7560	4/29	123	50.2	62.2	51.9*	
#Deadwood Summit	7000	4/29	94	45.0	54.3	48.4*	
#Galena Summit	8795	4/26	82	27.9	36.5	26.0	
#Gibbons Pass	Mont.	7100	4/25	72	30.1	33.9	24.2
#Lemhi Pass	Mont.	7480	4/29	43	14.4	16.0	--
#Lemhi Ridge	Mont.	8100	4/29	50	16.6	19.6	--
Mill Creek Summit		8870	4/29	80	29.7	29.8	25.6*
Moose Creek		6200	5/5	45	18.6	25.4	16.0*
Morgan Creek		7580	4/27	54	17.7	21.8	13.1*
#Rock Flat Summit		5200	4/29	50	18.4	23.9	16.5*
#Secesh Summit		6520	4/30	74	35.2	44.8	--
#Squaw Meadow		5800	4/30	73	36.9	45.0	36.5*
Vienna Mine		8960	4/29	97	42.7	49.2	37.9*

Lemhi River

Above Gilmore	8200	4/30	41	13.7	--	10.7*
Meadow Lake	9100	4/30	75	25.4	--	22.3*

MIDDLE SNAKE RIVER BASIN - NORTHSIDE**BIG LOST RIVER**

Bear Canyon	7920	4/29	48	15.7	20.5	--
Copper Basin	7650	4/29	21	8.2	14.0	--
Fishpole Lake	9350	4/29	65	19.2	28.9	--
Lost-Wood Divide	7900	4/29	75	26.6	29.5	--
Stickney Mill	7500	4/29	24	8.0	13.7	--
White Knob	7700	5/1	27	8.6	--	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average ^b
NAME	Elevation					

LITTLE WOOD RIVER

#Bear Canyon	7920	4/29	48	15.7	20.5	--
Garfield Ranger Station	6554	4/27	0	0.0	12.6	--
Muldoon	6300	4/27	0	0.0	7.0	--
Swede Peak	7650	4/27	44	14.9	23.0	15.0*

BIG WOOD RIVER

#Couch Summit	6950	4/27	32	11.9	--	14.0
Galena	7300	4/26	46	16.0	25.8	15.5
Galena Summit	8795	4/26	82	27.9	36.5	26.0
Graham Ranch	6200	4/26	21	7.1	15.5	7.0*
#Lost-Wood Divide	7900	4/29	75	26.6	29.5	--
Mascot Mine	7900	4/30	38	12.6	17.7	--
Mount Baldy	9000	4/30	66	20.8	26.9	22.7
Soldier Ranger Station	6100	4/27	0	0.0	11.1	--
#Vienna Mine	8960	4/29	97	42.7	49.2	37.9*

BOISE RIVER

Atlanta Summit	7500	4/29	93	38.8	47.7	36.1
Bad Bear	5500	4/29	26	11.2	16.4	5.0*
#Bogus Basin	6120	4/30	62	25.0	38.2	23.2
Bogus Basin Road	5360	4/30	0	0.0	6.6	0.0
Couch Summit	6950	4/27	32	11.9	--	14.0
Graham Guard Station	5690	4/29	23	10.6	--	--
Jackson Peak	7000	4/29	85	37.1	40.1	31.8*
Moores Creek Summit	6100	4/29	88	39.2	44.0	31.9
#Soldier Ranger Station	6100	4/27	0	0.0	11.1	--
Trinity Mountain	7780	4/29	95	45.0	56.0	44.2*
#Vienna Mine	8960	4/29	97	42.7	49.2	37.9*

PAYETTE RIVER

#Big Creek Summit	6600	4/29	97	41.8	46.5	37.0
Bogus Basin	6120	4/30	62	25.0	38.2	23.2
#Brundage Mountain	7560	4/29	123	50.2	62.2	51.9*
Crawford Ranger Station	4800	4/29	0	0.0	5.9	0.0
Deadwood Airstrip	5440	4/29	15	6.7	19.8	7.3*
Deadwood Summit	7000	4/29	94	45.0	54.3	48.4*
#Jackson Peak	7000	4/29	85	37.1	40.1	31.8*
Lake Fork	6000	4/29	42	18.4	22.1	--
Rock Flat Summit	5200	4/29	50	18.4	23.9	16.5*
Secesh Summit	6520	4/30	74	35.2	44.8	--
Squaw Meadow	5800	4/30	73	36.9	45.0	36.5*

WEISER RIVER

Boulder Creek	5500	4/30	32	14.8	32.2	15.7*
---------------	------	------	----	------	------	-------

(b) 1958-72, 15 year period. #Not located directly on this drainage. *Estimated 1958-72, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	Last Year
NAME	Elevation					

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

Howell Canyon	8000	4/29	70	31.0	--	23.6*
---------------	------	------	----	------	----	-------

SALMON FALLS CREEK

#Bear Creek	Nev.	7800	4/28	71	26.8	32.6	20.0*
Cedar Creek (A)		7000	4/28	6	2.3	17.6	3.1
Deadline		6900	4/27	64	27.0	38.8	19.5
Goat Creek (A)	Nev.	8800	4/28	71	24.4	27.5	20.1
#Hummingbird Springs (A)	Nev.	8945	4/28	96	35.0	41.3	26.2
Magic Mountain		6700	4/27	58	23.3	29.8	15.9
#Pole Creek R. S.	Nev.	8330	4/26	80	27.4	34.6	22.7
Red Point (A)	Nev.	7940	4/28	10	3.6	18.4	--
Shoshone Basin		5740	4/27	0	0.0	9.8	--
Wilson Creek (A)		7500	4/28	24	9.1	18.6	--

BRUNEAU RIVER

Bear Creek	Nev.	7800	4/28	71	26.8	32.6	20.0*
Hummingbird Springs (A)	Nev.	8945	4/28	96	35.0	41.3	26.2
Pole Creek R. S.	Nev.	8330	4/26	80	27.4	34.6	22.7
#Seventy-six Creek	Nev.	7100	4/28	25	8.1	16.0	--

OWYHEE RIVER

#Bear Creek	Nev.	7800	4/28	71	26.8	32.6	20.0*
#Seventy-six Creek	Nev.	7100	4/28	25	8.1	16.0	--
Silver City		6400	4/30	30	11.3	23.0	8.9*
South Mountain		6340	5/2	15	6.8	--	7.1*

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)	Last Year
NAME	Elevation					

UPPER SNAKE RIVER BASINHENRYS FORK RIVER

Big Springs		6400	4/29	50	20.3	24.2	17.1*
Grassy Lake	Wyo.	7230	4/30	108	50.9	43.1	34.3*
Island Park		6315	4/29	43	17.4	21.4	10.2
Sawtell Mountain		8720	4/29	99	36.8	43.4	38.1*
Targhee Pass		7000	4/29	42	15.9	17.3	15.4*
Valley View		6500	4/29	39	16.0	22.5	14.2*
White Elephant		7700	4/29	73	30.2	31.7	--

TETON RIVER

Darby Canyon	Wyo.	8250	4/29	93	34.9	30.8	--
Freds Mountain	Wyo.	8150	4/29	96	35.7	30.3	--
Garns Mountain		8300	4/29	117	47.0	42.6	--
Indian Meadows	Wyo.	8240	4/29	128	54.6	46.3	--
Jackpine Creek	Wyo.	7350	4/29	84	33.0	30.3	--
McRenolds Reservoir		6800	4/29	72	28.7	28.1	--
Miles Creek	Wyo.	7300	4/29	42	15.7	18.6	--
Phillips Bench	Wyo.	8200	4/30	91	38.4	37.2	--
Pine Creek Pass		6750	4/29	62	24.1	22.8	12.5*
State Line		6650	4/29	48	19.6	20.2	8.4
Teton Pass W.S.	Wyo.	8400	4/28	87	36.3	35.0	--

WILLOW CREEK

Aspen Grove		6600	4/28	50	16.8	17.2	--
Birch Creek		6800	4/28	36	13.2	19.2	--
Blue Ridge		6800	4/28	48	18.3	25.6	--
Bone		6200	4/28	10	3.4	7.0	--
Brockman Station		6430	4/28	21	7.7	14.4	--
Hell Creek		7100	4/28	40	15.4	20.4	--
Mud Creek		7150	4/28	52	18.0	22.1	--
Sheep Mountain		6510	4/28	39	14.4	15.4	--
Tex Creek		6700	4/28	38	12.8	14.0	--

SAND CREEK

Henry Creek		5650	4/28	6	1.6	--	--
-------------	--	------	------	---	-----	----	----

BLACKFOOT RIVER

Slug Creek Divide		7225	4/29	50	19.7	21.6	--
-------------------	--	------	------	----	------	------	----

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average
NAME	Elevation					

GREAT BASINBEAR RIVERMontpelier Creek

Giveout	6840	4/29	10	4.3	15.5	6.7*
Little Beaver	6970	4/29	36	12.9	19.4	11.6*
Lower Home Canyon	7500	4/29	36	12.1	18.0	--
Montpelier Creek	6570	4/29	4	1.6	6.9	--
Upper Home Canyon	8500	4/29	70	27.9	29.5	--
Whiskey Flat	6985	4/29	31	11.4	10.6	3.2*

Mink Creek

#Emigrant Summit	7350	4/29	70	28.2	--	23.6*
------------------	------	------	----	------	----	-------

Cub River

Cub River R. S.	5400	4/30	0	0.0	--	1.0
#Franklin Basin	8000	4/28	77	32.2	35.4	--
Willow Flat	6100	4/30	26	11.1	--	4.0*

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	9.4	4/29	4.4	2.7	6.6
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	4/30	3.6	--	4.3
Meadow Lake	9100	48	4.4	4/30	2.2	--	2.7
<u>BOISE RIVER</u>							
Bogus Basin Road	4830	48	7.1	4/30	5.8	--	--
<u>BEAR RIVER</u>							
Montpelier Creek	7025	36	9.4	4/29	9.2	8.0	8.0
<u>Giveout Pass</u>							
RAFT RIVER	8000	48	11.5	4/29	9.3	--	11.9
<u>SALMON FALLS CREEK</u>							
Deadline	6900	36	7.4	4/27	7.4	--	--
Patrick Ranch	5720	36	7.7	4/26	7.1	6.8	--
<u>HENRYS FORK RIVER</u>							
Island Park	6315	48	9.9	4/29	9.4	9.5	10.7
Valley View	6500	48	13.3	4/29	10.8	--	12.4

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

States:

Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U.S. Army Engineers
U.S. Department of Agriculture
Forest Service
Agricultural Research Service
Statistical Reporting Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101

FIRST CLASS MAIL

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

ROOM 345
304 N. 8TH ST.
BOISE, IDAHO 83702

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

**FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS**

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

—
“The Conservation of Water begins
with the Snow Survey”

USDA NATIONAL AGRICULTURAL
LIBRARY
CURRENT SERIAL RECORD
BELTSVILLE, MARYLAND 20705